

Hydrologic Model Manager

Short Name	WATFLOOD
Long Name	
Description	
Model Type	Simulation
Model Objectives	Continuous Modeling and Flood Forecasting Also Flood Studies
Agency Office	University of Waterloo
Tech Contact	N-Konwen Dept. Civil Engineering University of Waterloo Waterloo, ON Canada N2L3E1
Model Structure	
Interception	
Groundwater	
Snowmelt	
Precipitation	
Evapo-transpiration	
Infiltration	
Model Paramters	
Spatial Scale	Grid size 1 – 25 km, with grouped responses units
Temporal Scale	1 hour hydrologic, shorter or larger for hydraulic computations
Input Requirements	Grip precipitation and temperature
Computer Requirements	Any PC with W95, W98, W2000, NT or UNIX
Model Output	Hydrographs and all state variables
Parameter Estimatr Model Calibrtn	Manual and patterns search
Model Testing Verification	Yes ?
Model Sensitivity	?
Model Reliabiity	Pretty bombproof
Model Application	BC Hydro-Columbia River 50,000 km2 GEWEX-Mackeuzie River 1,700,000 km2 + Many smaller watersheds
Documentation	160 pages manual
Other Comments	Automatic watershed configuration available Need DEM and (LANDSAT) land cover data
Date of Submission	5/8/2001 12:50:11 PM
Developer	
Technical Contact	
Contact Organization	